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ChipPower CRS 200012061

ChipPower CRS Tuning Box Instruction Manual for Mazda 5 (CR) 2.0 CD (2005-2010)

Model: CRS 200012061

1. Introduction and Product Overview

This manual provides comprehensive instructions for the installation, operation, and maintenance of the ChipPower CRS Tuning Box. This device is designed to optimize the performance of specific diesel engines, offering increased power and torque. Please read this manual carefully before installation and use to ensure safe and correct operation.

The ChipPower CRS Tuning Box is compatible with Mazda 5 (CR) 2.0 CD models produced between 2005 and 2010, featuring an 81 kW (110 CV) engine. It is designed to be compatible with Diesel Particulate Filters (FAP) and various transmission types, including vehicles with and without keyless start systems.



Figure 1: The ChipPower CRS Tuning Box main unit.

2. Safety Information

- Always ensure the vehicle's engine is turned off and the ignition key is removed (or vehicle is completely powered down for keyless systems) before beginning installation.

- Disconnect the vehicle's battery before installation to prevent electrical shorts or damage. Reconnect only after installation is complete and all connections are secure.
- If you are unsure about any step of the installation process, consult a qualified automotive technician.
- Keep the tuning box and cables away from moving engine parts, extreme heat sources, and sharp edges.
- Ensure all connections are firmly seated and secured to prevent disconnections due to engine vibration.
- This product is intended for specific vehicle models and engine types as listed. Using it on incompatible vehicles may cause damage.

3. Package Contents

Verify that all components are present in your package:

- ChipPower CRS Tuning Box module
- Vehicle-specific connection cable
- Instruction manual
- Cable ties for securing wiring



Figure 2: The complete package contents, including the tuning box, cable, manual, and cable ties.

4. Setup and Installation

The ChipPower CRS Tuning Box features a "Plug & Drive" design for quick and straightforward installation, typically taking

5 to 10 minutes. A detailed, vehicle-specific instruction manual is included in your package. Please refer to that manual for precise connection points for your Mazda 5 (CR) 2.0 CD engine.

1. **Prepare the Vehicle:** Ensure the engine is off and the battery is disconnected as per safety guidelines.
2. **Locate Connection Points:** Refer to your specific instruction manual to identify the correct sensor connectors on your engine. These are typically common rail pressure sensors.
3. **Connect the Cable:** Disconnect the original sensor connector and insert the vehicle-specific ChipPower cable in-line. Ensure a secure, audible "click" for each connection. The cable is designed with original plugs for a perfect fit.
4. **Connect the Tuning Box:** Attach the vehicle-specific cable to the ChipPower CRS Tuning Box module. Ensure this connection is also secure.
5. **Mount the Tuning Box:** Secure the tuning box in a safe location within the engine bay, away from heat, moving parts, and moisture. Use the provided cable ties to secure both the module and the wiring harness.
6. **Reconnect Battery:** Once all connections are secure and the module is mounted, reconnect the vehicle's battery.
7. **Initial Start-up:** Start the engine and check for any warning lights. If issues arise, refer to the troubleshooting section.



Figure 3: Example of the tuning box and cable installed within an engine compartment.



Figure 4: Visual guide for connecting the module to its dedicated cable, ensuring a secure fit.



Figure 5: Physical dimensions of the ChipPower CRS module and its connecting cable for installation planning.

5. Operating Instructions

Once correctly installed, the ChipPower CRS Tuning Box operates automatically. It modifies engine parameters to achieve an increase in power and torque, typically up to 30% for compatible diesel engines. The device is designed with an engine protection function to ensure safe operation within the engine's limits.

The tuning box may feature an adjustment screw (as shown in Figure 6) that allows for fine-tuning of the performance characteristics. Refer to your specific manual for guidance on adjusting this setting. Adjustments should be made incrementally and with caution.



Figure 6: The adjustment screw on the tuning box, used for fine-tuning performance settings.

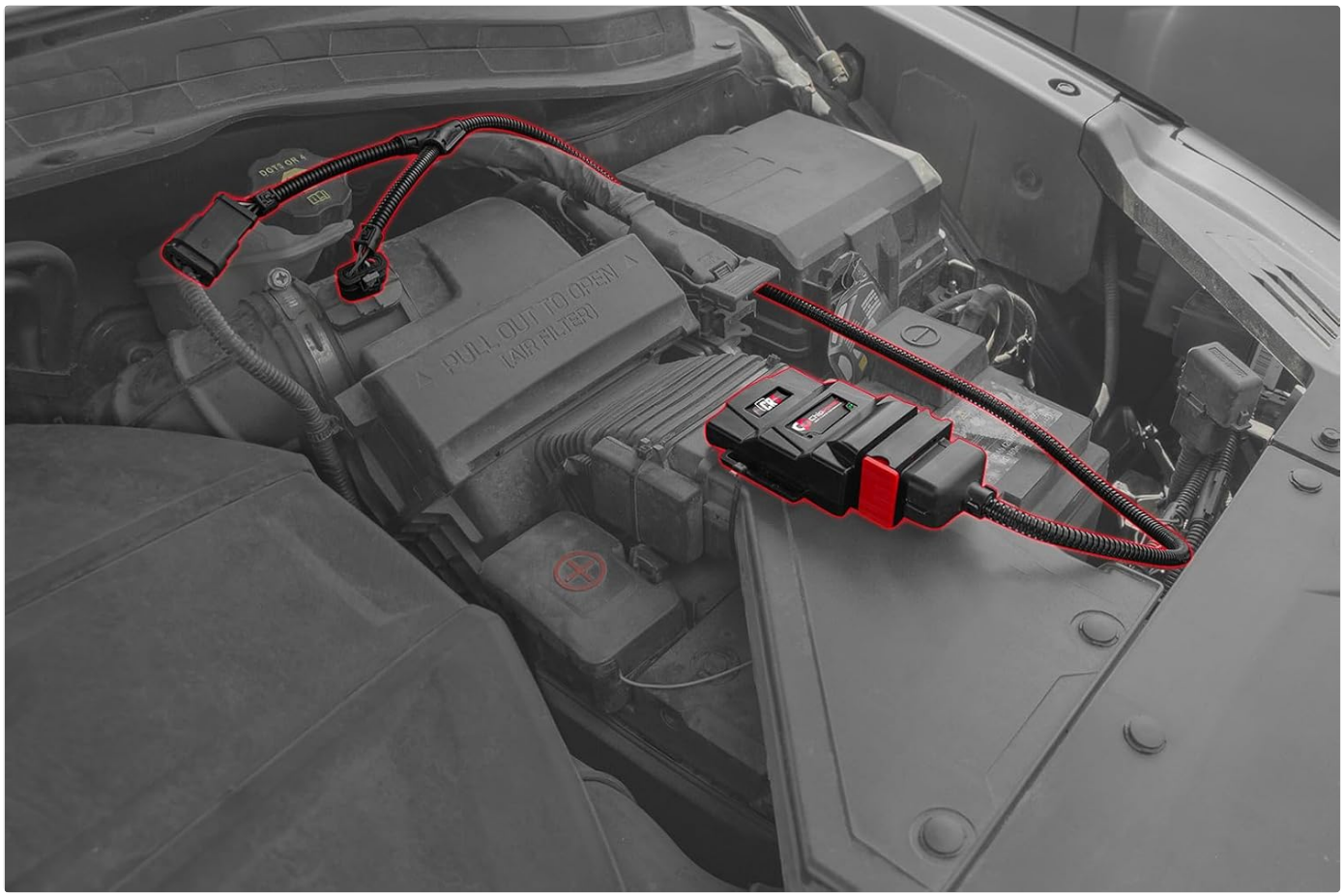

Figure 7: Key benefits of the ChipPower CRS Tuning Box, including enhanced power, reduced turbo lag, ease of installation, and potential fuel savings.

6. Maintenance

The ChipPower CRS Tuning Box requires minimal maintenance. Periodically inspect the module and its connections for any signs of wear, damage, or loose connections. Ensure the module remains securely mounted and free from excessive dirt or moisture. No internal user-serviceable parts are present.

7. Troubleshooting

- **Engine Warning Light:** If an engine warning light appears after installation, first re-check all cable connections to ensure they are fully seated. If the light persists, remove the tuning box and revert the vehicle to its original configuration. Contact customer support if the issue continues.
- **No Performance Change:** Verify that the tuning box is correctly connected and powered. Ensure the adjustment screw (if present) is not set to its minimum position.
- **Difficulty Starting:** Ensure all connections are secure and the battery was properly reconnected. If issues persist, remove the tuning box and test the vehicle in its original state.

For further assistance, please contact ChipPower customer service.

8. Specifications

Brand	ChipPower

Model Number	200012061 (CRS)
Compatibility	Mazda 5 (CR) 2.0 CD, 81 kW (110 CV), Years: 2005-2010
Engine Type	Diesel
Installation Type	Plug & Drive (in-line connection)
Performance Increase	Up to 30% power and torque
Special Features	FAP compatible, engine protection function, compatible with start/stop systems and all gearbox types.



Figure 8: The compact size of the ChipPower CRS Tuning Box.



Figure 9: The ChipPower CRS Tuning Box, manual, and car key, emphasizing readiness for use.

9. Warranty and Support

ChipPower products are manufactured by a European producer specializing in automotive tuning. The CRS Tuning Box is designed with an engine protection function. Removing the device will return your vehicle to its factory settings, ensuring that your vehicle's warranty is not affected by the temporary installation of the tuning box.

For any questions, technical support, or warranty claims, please contact ChipPower customer service directly. Contact information can typically be found on the product packaging or the official ChipPower website.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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